

fertile.ly

By: CACTus

Introduction to CACTus



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Communicator



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Aims

fertile.ly is a project by CACTus aimed to use food waste for fertilizers. We make three types of fertilizers including fruit peel liquid fertilizers, coffee grounds fertilizers and egg shell fertilizers. These are fertilizers that can be applied directly and will take less time than composting allowing us to collect more food waste and use it as fertilizer in a given time. After we make our fertilizers, we are going to donate it to Chul Farm and the Bangkok Prep Eco Team.



"Fertile.ly made me realise how much the world needs us and how much we need a better world to live in. I hope we could develop fertile.ly until people understand the importance of responsible consumption."

-- Chalisa P.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Our Journey

After getting together as **CACtus**, we decided to tackle the SDGs Goal#12 straight away because we have noticed for quite a long time how much food has been wasted in our community.

Planning took longer than we thought because we had to identify different local sources of food waste. Our school time also makes it very challenging because we are only allowed outside during lunch for 50 minutes.

Then we planned what can we make from food waste. After researching, we came up with an idea of organic fertilizers which would grow healthier plants, use less fossil fuels and not harmful to humans when ingested or to aquatic organisms because of eutrophication.

Unluckily, due to COVID-19 we were unable to donate the fertilizers to Chul Farm and the Bangkok Prep Eco Team. However, we believe we made a great impact so far and hope to continue this momentum when we return to school at the start of May.

*"This project has taught me how to work as a **team** to come up with creative ideas for solving issues faced around the world"*

-- Chandresh P.

*"I have learnt to solve problem as a **team**. The project has not always gone as we expected but we tried our best to resolve it together"*

-- Ayami O.



Our Impact

Our main impact is outside of school within the T77 community. We contacted the **local restaurants, Coffee 101 and cafes** for egg shells, coffee grounds and fruit peels respectively. Throughout our journey we collected resources from each shop once a week for a month for our fertilizers. We did went to **Chul farm** to contact for donation of fertilizers in which they agreed, but with the school closure, the donation have not taken place yet.

Within school, we advertise through the **Bangkok Prep Radio Station** and **Bangkok Prep Student Page** on instagram regularly to keep students up-to-date.

When we get back to school in May, we are going to hold another plastic donation day in collaboration with **Eco team** although there were already some generous donors that brought milk bottles and place in recycling bins.

13 CLIMATE ACTION



15 LIFE ON LAND

